

VINAYAK NANDIKOLE

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EDUCATION

B.E. in Electrical Engineering

Marathwada Mitra Mandal's College of Engineering

Aug 2018 – June 2022

CGPA: 9.02/10

Coursework: Data structures and Algorithms, Object Oriented Programming

SKILLS

- Tech Stack:** C, C++, NodeJS, ReactJS, SQL, MongoDB, Java
- Domain:** Web Development, Database Management

EXPERIENCE

Teach For India

Associate, Web Development

Aug 2023 – Present

- Revamped the **Application Portal** (React, Node.js, MongoDB, MaterialUI), improving **load time by 20%**, optimizing bundle size, and implementing caching strategies.
- Integrated **Salesforce** with bidirectional triggers to sync applicant data, reducing manual recruiter effort by **30%**.
- Implemented proctored **video recording & transcription** workflows using **MediaRecorder API, AWS S3, OpenAI Whisper**, enabling secure assessment evaluations.
- Automated recurring database tasks, reducing human errors by **15%**.
- Fixed over **50+ bugs** and collaborated with a team of 4 developers to enforce code review and best practices.

Hexaware Technologies

Graduate Engineer Trainee

June 2022 – Dec 2022

- Engaged in a comprehensive exploration of software development principles and immersed in foundational programming fundamentals.
- Received training in version control using Git and GitHub, mastering collaborative software development practices and effective code management

Associate Software Engineer

Dec 2022 – Apr 2023

- Transferred PL/SQL packages to SQL format for seamless migration from Oracle Database to Snowflake.

PROJECTS

Fellowship Application Portal

Teach For India

- Built with **React, Node.js, MongoDB, MaterialUI**.
- Designed reusable components, PDF CV downloads, and custom modals.
- Integrated **Salesforce**, enabling recruiters to view applications with real-time data sync.
- Implemented **video proctoring + transcription pipeline**, reducing evaluator workload.

Volunteer Management System

Teach For India

- A serverless **React** app integrated with **Algolia** for fast search and filtering of volunteer opportunities.
- Volunteers could filter by **city, cluster, availability and subjects** with pre-filled details in **FormAssembly** forms, saving time.
- Contributed to enhance visibility of unavailable opportunities, informing users of future potential openings.

Impacted Internship Program

Teach For India

- Built a referral-only app (similar to VMS) where opportunities are accessible only via a **special reference key** shared with referred candidates.
- Designed backend logic to toggle opportunities between **internship** and **volunteer** categories, ensuring flexible role management.
- Enhanced candidate experience by streamlining access and application flows while maintaining secure access control.

ACHIEVEMENTS

- 4 star coder in C++ at **HackerRank**.
- Currently having **GFG institutional rank 15** solving over **130+ problems**.
- Completed 150+ **LeetCode** problems to improve proficiency in data structures and algorithms.

CERTIFICATIONS

- AWS Academy Cloud Foundations**
- AZ-900: Microsoft Azure Fundamentals**